

Semantic Web features in Bioclipse 2.2

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Java, Bioclipse, Rdf, Sparql

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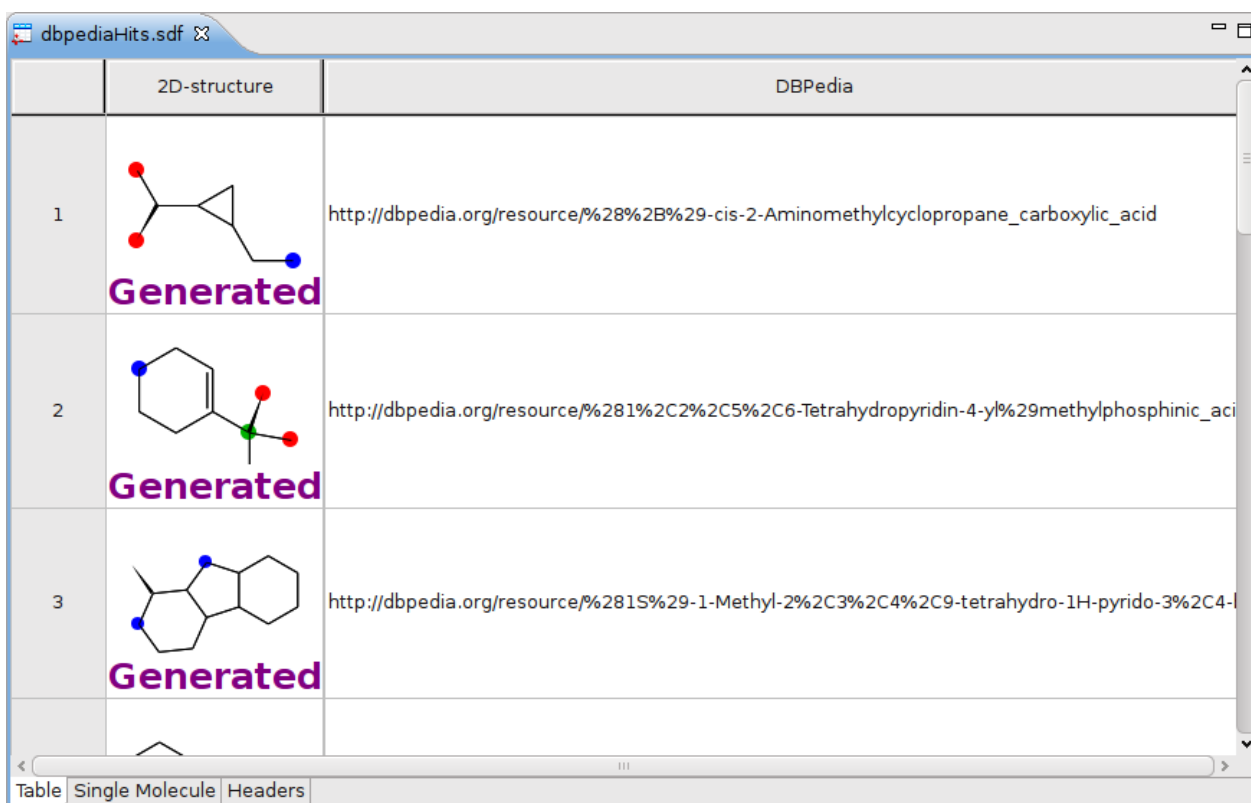
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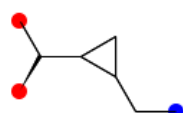
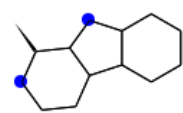
chem-bla-ics

Ola is releasing [Bioclipse 2.2.0](#) today, and asked me to show case the semantic web functionality in Bioclipse. I realized that I do not have a nice page showing the semantic web overview. But I did blog a lot about RDF functionality, so here's a list of pointers:

- [Bioclipse Manager for MyExperiment.org](#)
- [Bioclipse, RDF and defeasible reasoning](#) (see also [Samuel's blog](#))
- [Bioclipse and SPARQL end points #2: MyExperiment](#)
- [Bioclipse and SPARQL end points](#)
- [Solubility Data in Bioclipse #2: handling RDF](#)
- [Solubility Data in Bioclipse #3: Finding ChEBI IDs](#)
- [Solubility Data in Bioclipse #4: Finding ChEBI IDs \(Again, but better\)](#)
- [/me is having Bioclipse/XMPP/RDF fun](#)

Or check this screenshot from a [Posterous post](#) about a [MyExperiment workflow](#) :



	2D-structure	DBPedia
1	 Generated	http://dbpedia.org/resource/%28%2B%29-cis-2-Aminomethylcyclopropane_carboxylic_acid
2	 Generated	http://dbpedia.org/resource/%28%2C%2C%2C%2C6-Tetrahydropyridin-4-yl%29methylphosphinic_acid
3	 Generated	http://dbpedia.org/resource/%28%2C%2C%2C%2C9-tetrahydro-1H-pyrido-3%2C4-b-pyridine

One thing I have not blogged about yet (I think), is that the Bioclipse RDF manager also understands RDFa now. Well, sort of... it relies on a webservice, but this is what the script looks like:

```
model = rdf.createStore()
rdf.importRDFa(model, "http://egonw.github.com/")
rdf.saveRDFN3(model, "/Virtual/egonw.n3")
```

With support of SPARQL end points, and reading RDF from web resources directly (RDF/XML, N3, RDFa), Bioclipse is ready for the chemical semantic web.